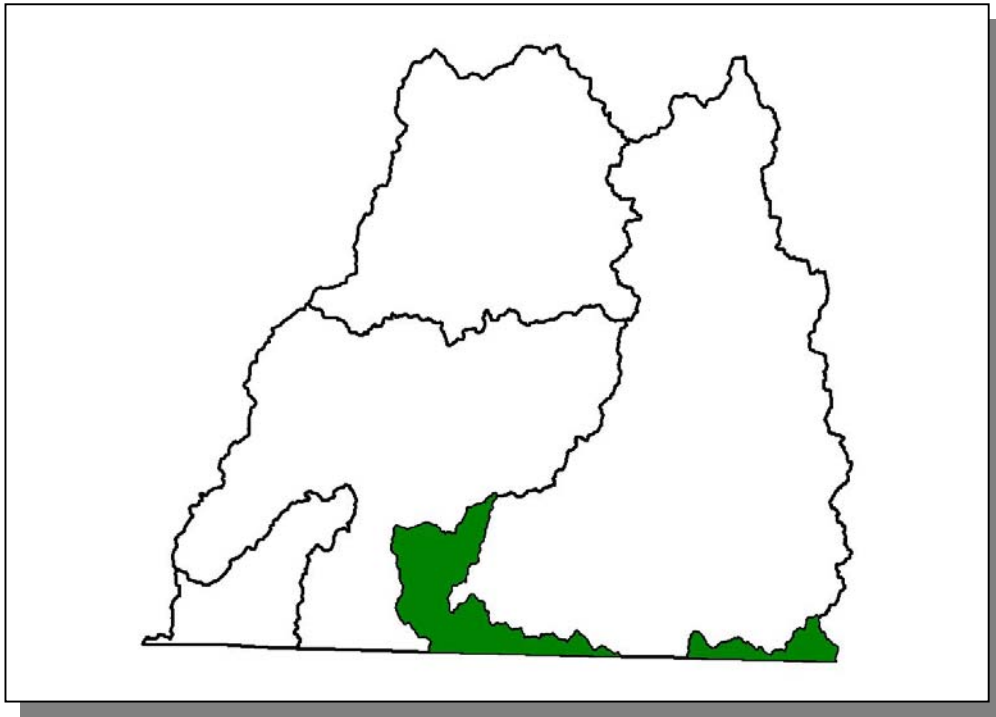**4.2.A.** 0801020702.



*Figure 4-2. Location of Subwatershed 0801020702.* All Little Hatchie River HUC-10
subwatershed boundaries in Tennessee are shown for reference.
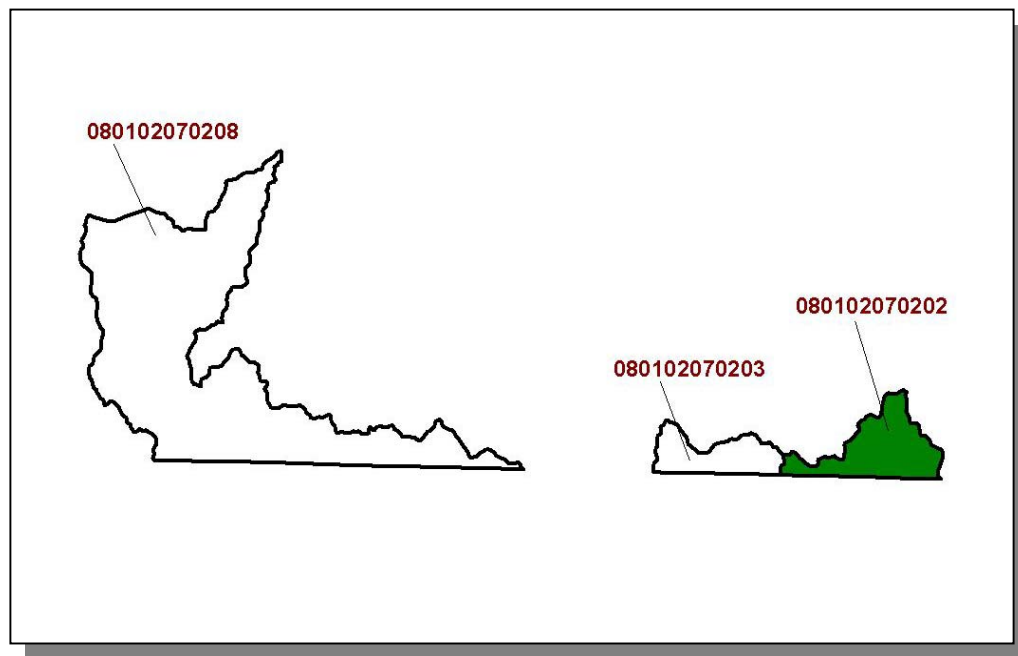
4.2.A.i. 080102070202 (Bridge Creek).



*Figure 4-3. Location of Subwatershed 080102070202.* All HUC-12 subwatershed boundaries are shown for reference.

MRLC 2001 Landuse
- Unclassified
- Open Water
- Developed Open Space
- Low Intensity Development
- Medium Intensity Development
- High Intensity Development
- Bare Rock/Sand/Clay
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Shrub/Scrub
- Grassland/Herbaceous
- Pasture/Hay
- Row Crops
- Woody Wetlands
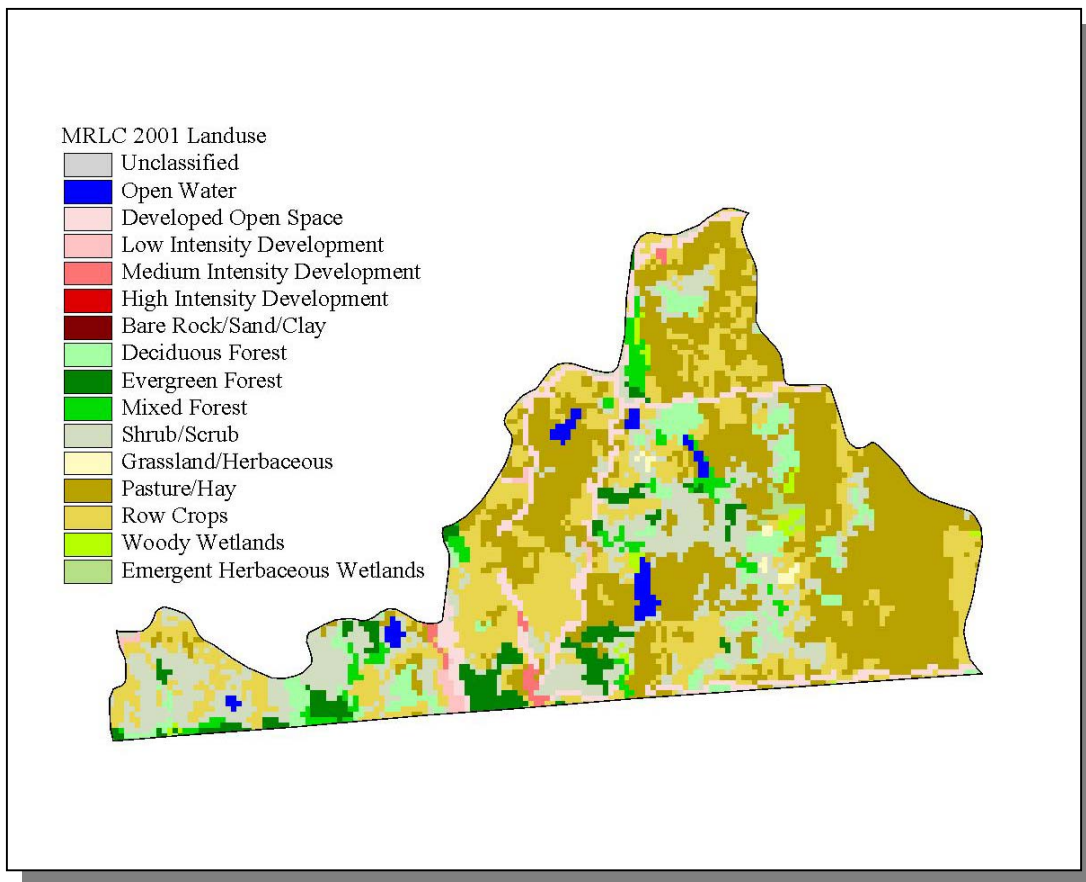- Emergent Herbaceous Wetlands

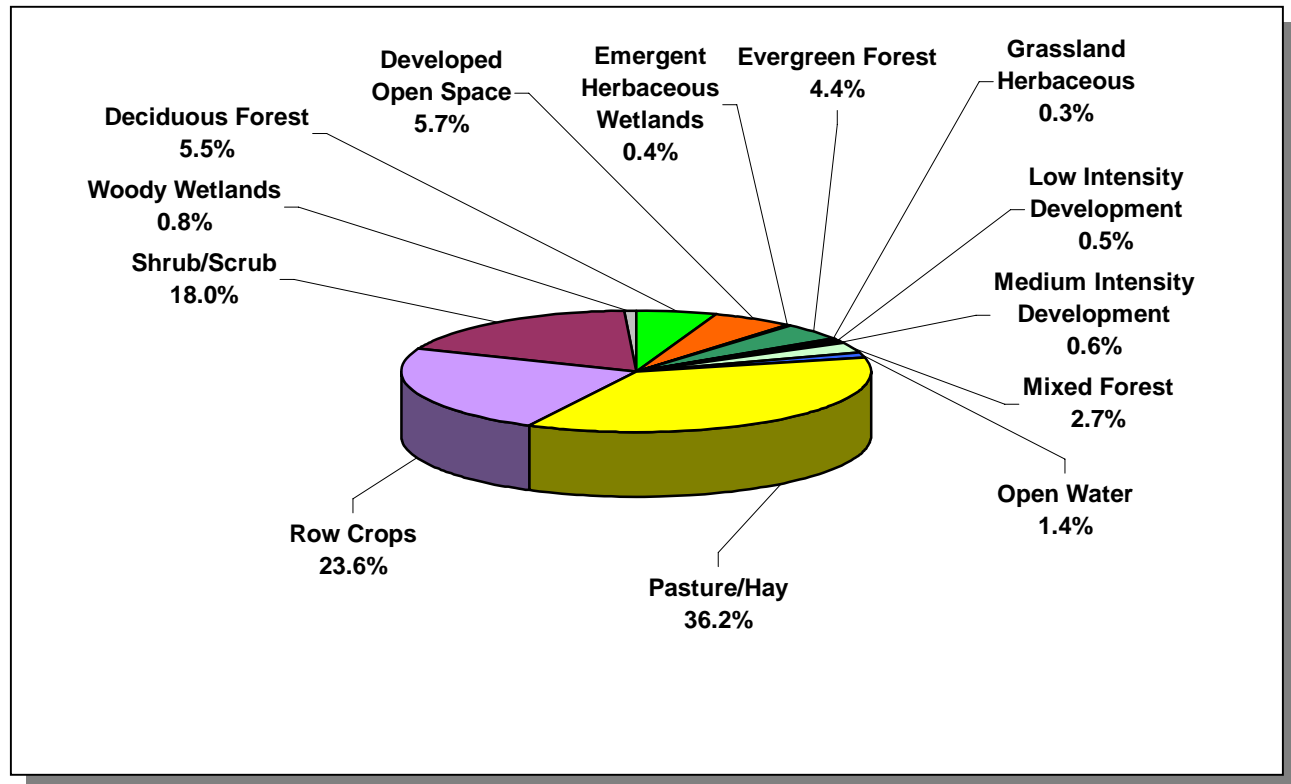*Figure 4-4. Illustration of Land Use Distribution in Subwatershed 080102070202.*

*Figure 4-5. Land Use Distribution in Subwatershed 080102070202. More information is provided in Appendix IV.*
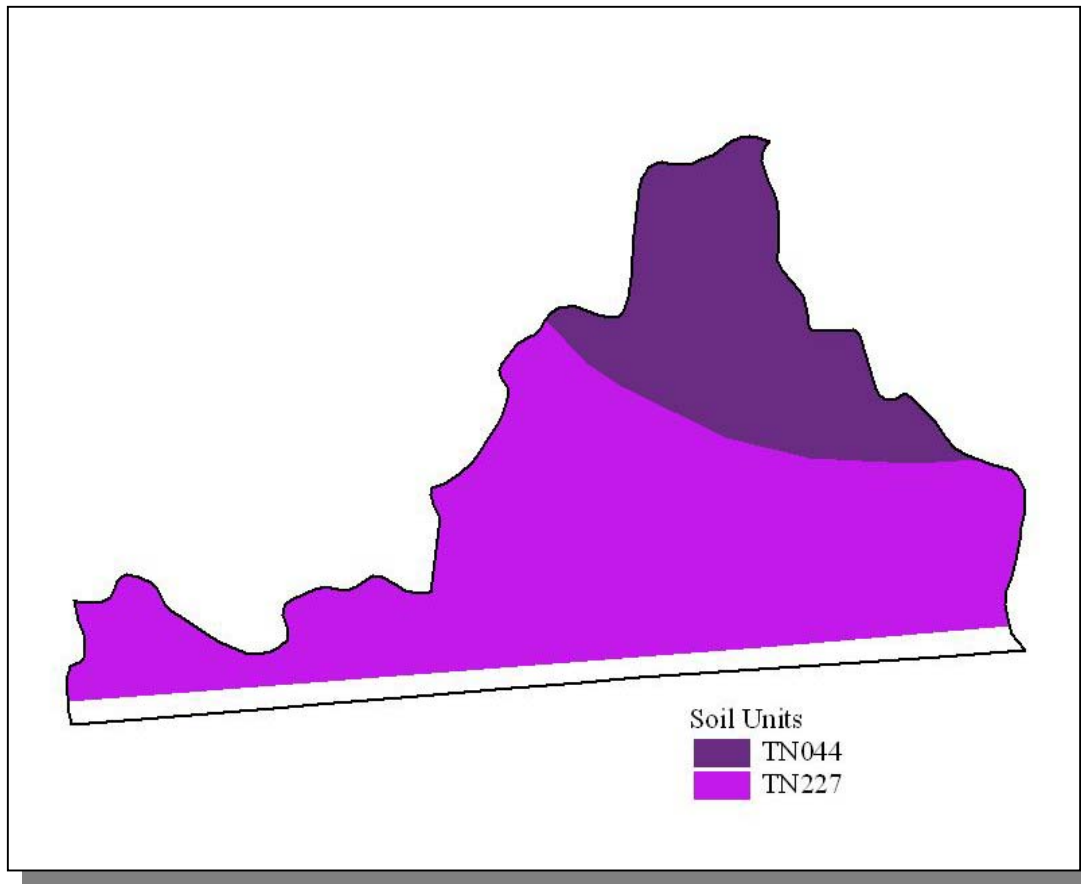
**Figure 4-6. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102070202.**

| STATSGO MAP UNIT ID | PERCENT HYDRIC | HYDROLOGIC GROUP | PERMEABILITY (in/hour) | SOIL pH | ESTIMATED SOIL TEXTURE | SOIL ERODIBILITY |
|---|---|---|---|---|---|---|
| TN044 | 0.00 | C | 1.48 | 5.32 | Silty Loam | 0.42 |
| TN227 | 0.00 | C | 2.41 | 5.03 | Silty Loam | 0.38 |

*Table 4-2. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102070202. The definition of "Hydrologic Group" is provided in Appendix IV.*
*.*

| | COUNTY POPULATION | | | Portion of Watershed (%) | ESTIMATED POPULATION IN WATERSHED | | | % Change (1990-2000) |
|---|---|---|---|---|---|---|---|---|
| County | 1990 | 1997 | 2000 | | 1990 | 1997 | 2000 | |
| | | | | | | | | |
| McNairy | 22,422 | 23,678 | 24,653 | 0.16 | 37 | 39 | 41 | 10.8 |

*Table 4-3. Population Estimates in Subwatershed 080102070202.*

| | | | NUMBER OF HOUSING UNITS | | | |
|---|---|---|---|---|---|---|
| Populated Place | County | Population | Total | Public Sewer | Septic Tank | Other |
| | | | | | | |
| Guys | Mcnairy | 492 | 194 | 4 | 182 | 8 |

*Table 4-4. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102070202.*

## 4.2.A.i.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

## 4.2.A.i.b. Nonpoint Source Contributions.

| LIVESTOCK COUNTS | | | |
|---|---|---|---|
| Beef Cow | Cattle | Hogs | Sheep |
| | | | |
| 70 | 136 | 77 | <5 |

*Table 4-5. Summary of Livestock Count Estimates in Subwatershed 080102070202. According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

| LIVESTOCK COUNTS | | | | | | |
|---|---|---|---|---|---|---|
| County | Beef Cow | Cattle | Milk Cow | Chickens (Layers) | Hogs | Sheep |
| | | | | | | |
| McNairy | 5,659 | 10,365 | 7 | 491 | 11,346 | 98 |

*Table 4-6. Summary of Livestock Count Estimates in McNairy County. According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

| CROPS | TONS/ACRE/YEAR |
|---|---|
| Grass (Pastureland) | 0.61 |
| Grass (Hayland) | 0.88 |
| Legumes, Grass (Hayland) | 0.07 |
| Legumes (Hayland) | 0.12 |
| Grass, Forbs, Legumes (Mixed Pasture) | 0.87 |
| Corn (Row Crops) | 8.76 |
| Cotton (Row Crops) | 11.84 |
| Sorghum (Row Crops) | 3.62 |
| Soybeans (Row Crops) | 8.00 |
| Wheat (Close-Grown Cropland) | 1.92 |
| Other Cropland not Planted | 1.98 |
| Conservation Reserve Program Lands | 0.23 |
| Farmsteads and Ranch Headquarters | 0.09 |

*Table 4-7. Annual Estimated Total Soil Loss in Subwatershed 080102070202.*

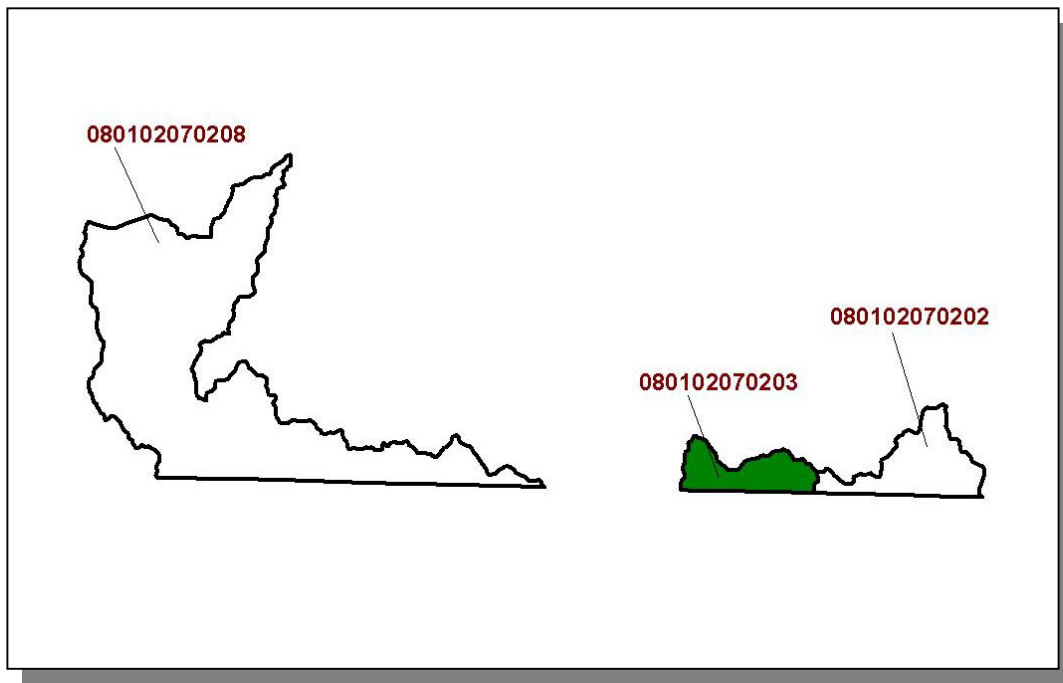4.2.A.ii. 080102070203 (Cain Creek).



**Figure 4-7. Location of Subwatershed 080102070203.** *All HUC-12 subwatershed boundaries are shown for reference.*
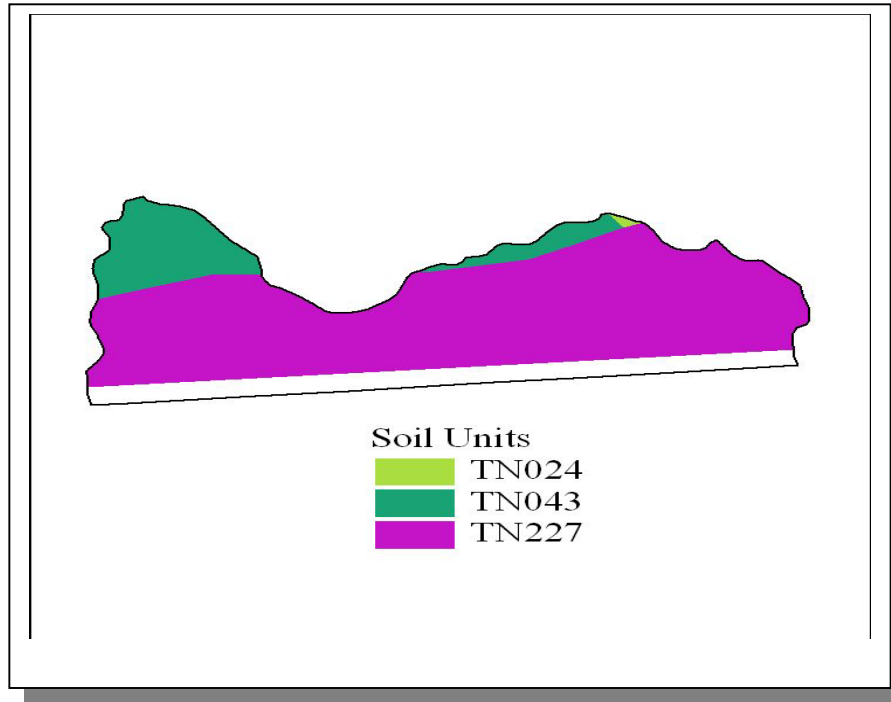
*Figure 4-8. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102070203.*

| STATSGO MAP UNIT ID | PERCENT HYDRIC | HYDROLOGIC GROUP | PERMEABILITY (in/hour) | SOIL pH | ESTIMATED SOIL TEXTURE | SOIL ERODIBILITY |
|---|---|---|---|---|---|---|
| TN024 | 61.00 | D | 2.18 | 5.35 | Loam | 0.29 |
| TN043 | 0.00 | C | 2.70 | 5.02 | Loam | 0.30 |
| TN227 | 0.00 | C | 2.41 | 5.03 | Silty Loam | 0.38 |

*Table 4-8. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102070203. The definition of "Hydrologic Group" is provided in Appendix IV.*
.

| County | COUNTY POPULATION | | | Portion of Watershed (%) | ESTIMATED POPULATION IN WATERSHED | | | % Change (1990-2000) |
|---|---|---|---|---|---|---|---|---|
| | 1990 | 1997 | 2000 | | 1990 | 1997 | 2000 | |
| | | | | | | | | |
| McNairy | 22,422 | 23,678 | 24,653 | 0.04 | 10 | 10 | 11 | 10.0 |

*Table 4-9. Population Estimates in Subwatershed 080102070203.*

| Populated Place | County | Population | NUMBER OF HOUSING UNITS | | | |
|---|---|---|---|---|---|---|
| | | | Total | Public Sewer | Septic Tank | Other |
| | | | | | | |
| Guys | McNairy | 492 | 194 | 4 | 182 | 8 |

*Table 4-10. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102070203.*

## 4.2.A.ii.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

## 4.2.A.ii.b. Nonpoint Source Contributions.

| LIVESTOCK COUNTS | | |
|---|---|---|
| Beef Cow | Cattle | Hogs |
| | | |
| 12 | 23 | 6 |

*Table 4-11. Summary of Livestock Count Estimates in Subwatershed 080102070203. According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/),* ***"****Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

| LIVESTOCK COUNTS | | | | | | |
|---|---|---|---|---|---|---|
| County | Beef Cow | Cattle | Milk Cow | Chickens (Layers) | Hogs | Sheep |
| | | | | | | |
| McNairy | 5,659 | 10,365 | 7 | 491 | 11,346 | 98 |

*Table 4-12. Summary of Livestock Count Estimates in McNairy County. According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/),* ***"****Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

| CROPS | TONS/ACRE/YEAR |
|---|---|
| Grass (Pastureland) | 0.63 |
| Grass (Hayland) | 1.17 |
| Legumes, Grass (Hayland) | 0.07 |
| Legumes (Hayland) | 0.12 |
| Grass, Forbs, Legumes (Mixed Pasture) | 0.97 |
| Corn (Row Crops) | 7.94 |
| Cotton (Row Crops) | 14.17 |
| Sorghum (Row Crops) | 3.61 |
| Soybeans (Row Crops) | 7.36 |
| Wheat (Close-Grown Cropland) | 1.92 |
| Other Cropland not Planted | 1.87 |
| Conservation Reserve Program Lands | 0.21 |
| Farmsteads and Ranch Headquarters | 0.08 |

*Table 4-13. Annual Estimated Total Soil Loss in Subwatershed 080102070203.*
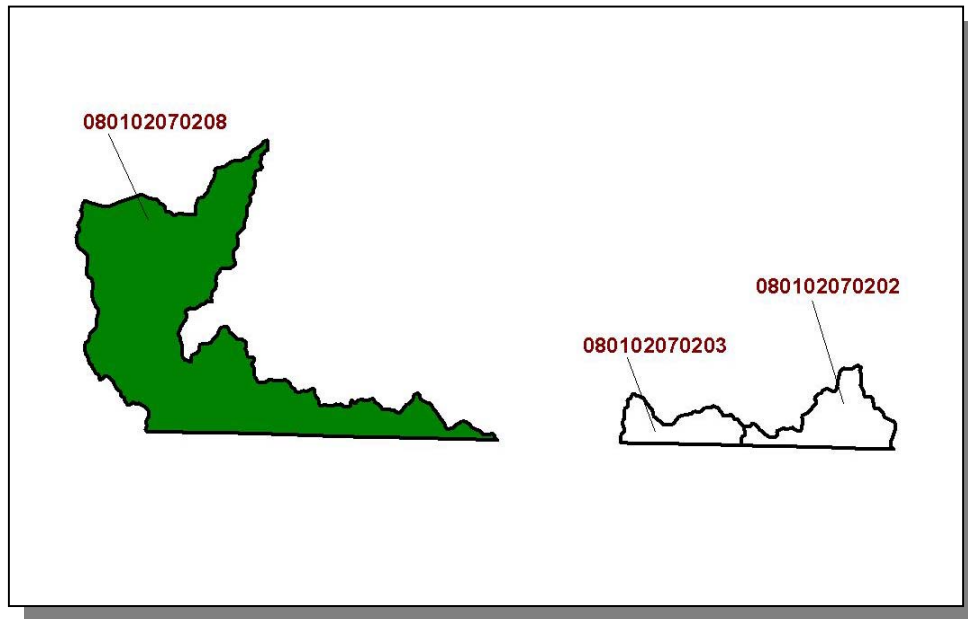
080102070208 (Tuscumbia Creek).



*Figure 4-9. Location of Subwatershed 080102070208.* All HUC-12 subwatershed boundaries are shown for reference.
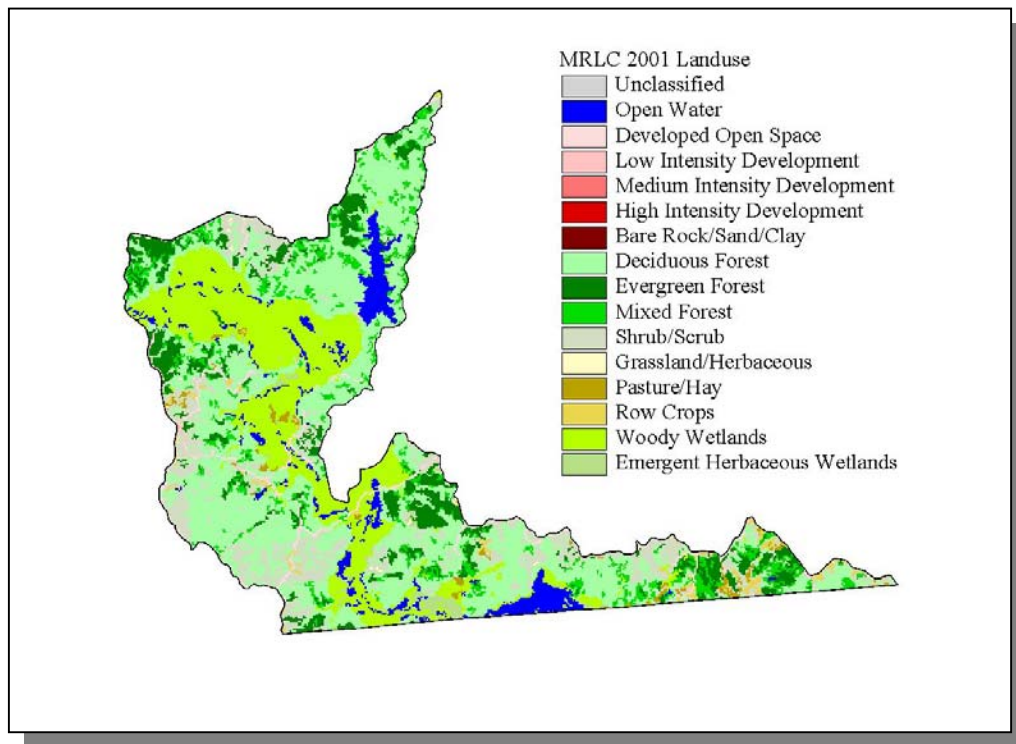
*Figure 4-10. Illustration of Land Use Distribution in Subwatershed 080102070208.*
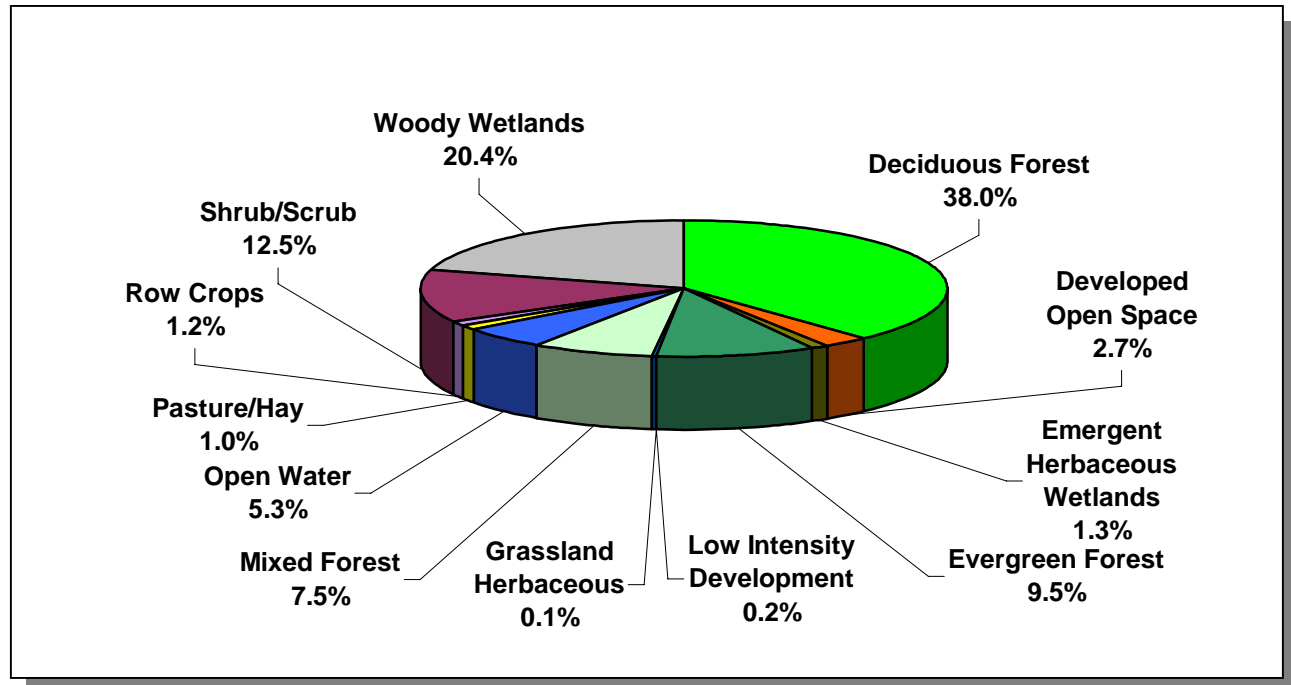
*Figure 4-11. Land Use Distribution in Subwatershed 080102070208.* More information is provided in Appendix IV.
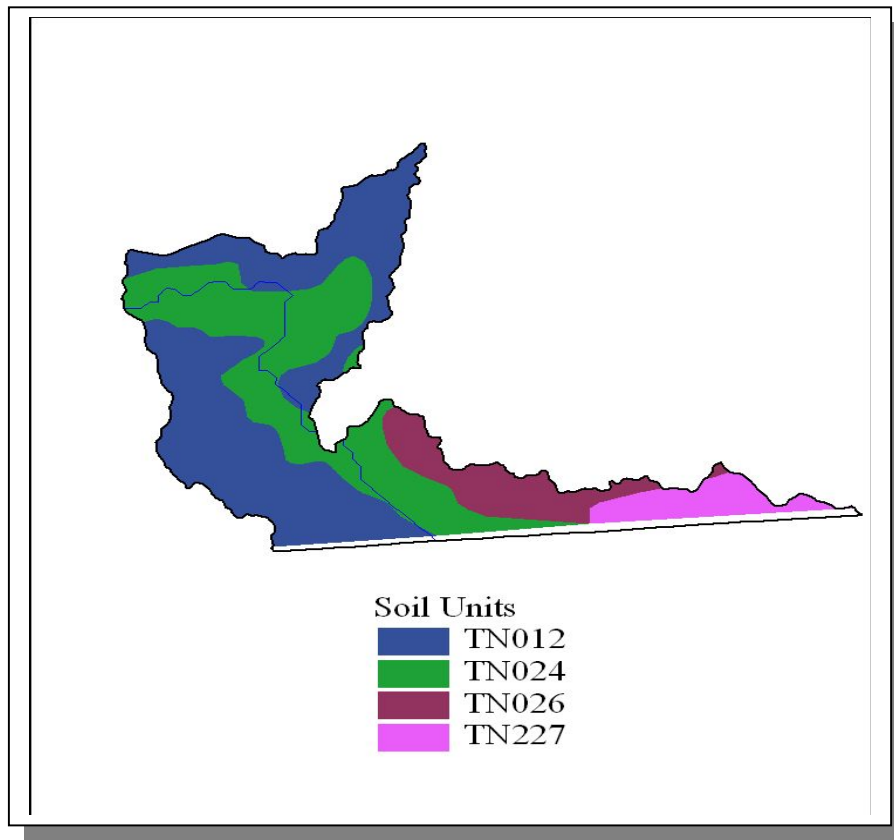
**Figure 4-12. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102070208.**

| STATSGO MAP UNIT ID | PERCENT HYDRIC | HYDROLOGIC GROUP | PERMEABILITY (in/hour) | SOIL pH | ESTIMATED SOIL TEXTURE | SOIL ERODIBILITY |
|---|---|---|---|---|---|---|
| TN012 | 1.00 | C | 2.52 | 5.13 | Silty Loam | 0.39 |
| TN024 | 61.00 | D | 2.18 | 5.35 | Loam | 0.29 |
| TN026 | 0.00 | B | 1.52 | 5.13 | Silty Loam | 0.40 |
| TN227 | 0.00 | C | 2.41 | 5.03 | Silty Loam | 0.38 |

**Table 4-14. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102070208.** *The definition of "Hydrologic Group" is provided in Appendix IV.*
.

| County | COUNTY POPULATION | | | Portion of Watershed (%) | ESTIMATED POPULATION IN WATERSHED | | | % Change (1990-2000) |
|--------|------|------|------|--------------------------|------|------|------|----------------------|
|        | 1990 | 1997 | 2000 | | 1990 | 1997 | 2000 | |
|        |      |      |      |      |      |      |      |      |
| McNairy | 22,422 | 23,678 | 24,653 | 2.32 | 520 | 549 | 572 | 10.0 |

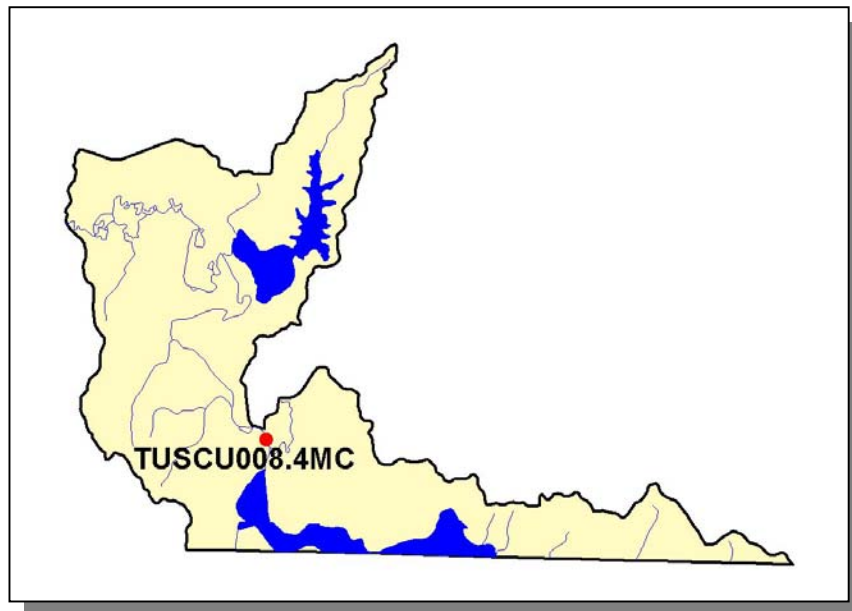*Table 4-15. Population Estimates in Subwatershed 080102070208.*



*Figure 4-13. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102070208. More information, including site names and locations, is provided in Appendix IV.*

4.2.A.iii.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.A.iii.b. Nonpoint Source Contributions.

| LIVESTOCK COUNTS | | |
|---|---|---|
| Beef Cow | Cattle | Hogs |
| | | |
| 25 | 49 | 22 |

*Table 4-16. Summary of Livestock Count Estimates in Subwatershed 080102070208.*
*According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.*

| LIVESTOCK COUNTS | | | | | | |
|---|---|---|---|---|---|---|
| County | Beef Cow | Cattle | Milk Cow | Chickens (Layers) | Hogs | Sheep |
| | | | | | | |
| McNairy | 5,659 | 10,365 | 7 | 491 | 11,346 | 98 |

*Table 4-17. Summary of Livestock Count Estimates in McNairy County. According to the 1997 Census of Agriculture (http://www.agcensus.usda.gov/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

| CROPS | TONS/ACRE/YEAR |
|---|---|
| Grass (Pastureland) | 0.57 |
| Grass (Hayland) | 0.35 |
| Legumes, Grass (Hayland) | 0.07 |
| Legumes (Hayland) | 0.12 |
| Grass, Forbs, Legumes (Mixed Pasture) | 0.69 |
| Corn (Row Crops) | 10.22 |
| Cotton (Row Crops) | 7.72 |
| Sorghum (Row Crops) | 3.61 |
| Soybeans (Row Crops) | 9.14 |
| Wheat (Close-Grown Cropland) | 1.92 |
| Other Cropland not Planted | 2.17 |
| Conservation Reserve Program Lands | 0.26 |
| Farmsteads and Ranch Headquarters | 0.10 |

*Table 4-18. Annual Estimated Total Soil Loss in Subwatershed 080102070208.*